ATTACHMENT 1. AUTHORIZATION AND ELIGIBILITY REQUIREMENTS

✓ **Project Consistency with an Adopted IRWM Plan**

As noted above, the ESIRWMP was reviewed by DWR as part of the Plan Review Process and found to be consistent with the IRWM Planning Act and related IRWM Plan Standards per the letter received from DWR dated July 2, 2014.

Per the ESIRWMP, Section 8.4 – Plan Updates, "The prioritized project list, contained in the appendices of the IRWMP, will be revised, at a minimum, on an annual basis, for the first 5 years... The revised project list will be vetted by the ESRWMP among regional stakeholders following updating, and upon receiving consensus, will substitute the updated project list for the one currently contained herein. No formal plan adoption or re-adoption will be required for project list updating." In preparation for the release of the 2014 PSP and Guidelines, the ESRWMP issued a call for projects on March 14, 2014 in order to update the project list in the ESIRWMP. Projects were submitted either electronically, through the Region's IRWM website located at http://www.eaststanirwm.org/ or via the U.S. Mail. Projects received (including updated project information) were then screened for consistency with the ESIRWMP and vetted with the ESRWMP and region stakeholders via email communications on July 10, 2014. Per Section 6.2 – Project Review and Integration, "…to be considered for inclusion in the East Stanislaus IRWM Plan, a project was (is) required to fulfill five minimum requirements. Specifically, the project had (has) to:

- Be located at least partially within the East Stanislaus IRWM region;
- Meet at least one Regional objective;
- Fulfill at least one Resource Management Strategy;
- Fulfill at least one Statewide Strategy; and
- Be technically feasible. "

The projects contained on the revised project list were all reviewed and found to meet the aforementioned requirements (and therefore consistent with the ESIRWMP); this updated project list was approved by the ESRWMP for inclusion in the ESIRWMP on July 14, 2014. Both projects contained in this grant application, the Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project and the North Valley Regional Recycled Water Program (the inter-regional project), are included in the updated project list vetted by the ESRWMP for inclusion in the East Stanislaus IRWM Plan and are therefore consistent with the ESIRWMP.

Similarly, the North Valley Regional Recycled Water Program has been included on the project list recently developed, reviewed and vetted for inclusion in the WIWRP, the Westside-San Joaquin IRWM Region's IRWMP. This project has been judged to be consistent with the Westside-San Joaquin IRWM Plan objectives and therefore eligible for inclusion in the WIWRP, and has been determined to contribute to meeting that Region's goals and objective. The Westside-San Joaquin IRWM plan project list was approved for inclusion in the WIWRP update on July 15, 2014.

Documentation demonstrating project consistency with the IRWM plans is included in Appendix 1.4.

Appendix 1.4 – Documentation of Project Consistency with IRWMPs

East Stanislaus Regional Water Management Partnership
c/o City of Modesto
P.O. Box 642, Modesto, CA 95353

March 14, 2014

East Stanislaus IRWM Stakeholders,

In accordance with a process established in the Public Draft IRWM Plan, the East Stanislaus Region is requesting new projects and project updates through the Project Solicitation Program. New projects and project updates can be submitted electronically via the OPTI (Online Project Tracking & Integration program) website, or can be provided in hard copy format. OPTI, provided by RMC, serves as the database management tool for stakeholders to include projects within the East Stanislaus IRWM Region and is therefore the preferred mode for project submittal. This website allows stakeholders to include information regarding project description, status, funding, etc., which is then used to establish projects as part of the Regional IRWM Plan.

This solicitation period will be an opportunity to include new projects and update existing projects for inclusion in the East Stanislaus IRWM Plan. Projects which have been completed (finalized studies or constructed) should be noted as such. In order to obtain project funding through the IRWM grant program, the project must be documented as 'being in the IRWM Plan'. The OPTI database provides a convenient and flexible means to document projects and make updates. This solicitation period will be open **March 17th through April 31st**.

There is a link to the OPTI website on the East Stanislaus IRWM Project webpage: http://www.eaststanirwm.org/projects/

or directly with the following link: http://irwm.rmcwater.com/es/login.php. A PDF of the project solicitation form is also available on the project website.

If a stakeholder has not yet signed into OPTI and wishes to include a project, the stakeholder must first register as a Community Member by completing the fields under the 'Sign up' section. Once the System Administrator has accepted the new account, project information can be loaded directly into the program database. The OPTI website has instructions on how to navigate the program.

If there are any questions, please contact me at the City of Modesto (209-571-5557 or Leslie Dumas at RMC (925) 627-4113.

Jim Alves
East Stanislaus IRWM Project Manager

Project Information				
proj_id	1305	1306	1310	1312
proj_creatorName	French, Jaylen	French, Jaylen	Casas, Felipe	Alves, Jim
Project Name	Non-Potable Water System	Water Blending Facility	Monterey Park Tract Community Safe Drinking Water Project	SRWA Regional Surface Water Supply Project
Organization	City of Hughson	City of Hughson	Monterey Park Tract Community Services District	City of Modesto on behalf of the SRWA
Project Category	Ready to Proceed	Concept	Preliminary Design Complete	Preliminary Design Complete
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	This project will reduce the demand on the potable water system by using two existing water wells with water quality issues to irrigate City and Hughson School District turf areas. It will take approximately 54 acres of turf area off of the potable system and instead irrigate the turf areas with water that is currently non-compliant for drinking water. It will supply about 1,500 gallons per minute to these turf areas and reduce the potable water demand by the same amount. This will alleviate the need to treat water from the two wells to drinking water standards. In addition to the treatment avoidance savings, which benefits all users of the potable water system, the non-potable water will be priced at substantially reduced rates, benefiting school district and parks department expenditures, which ultimately saves money for residents. Work is mainly underground distribution piping to turf areas with some modification to existing wells.	This is a multi-well blending facility with mixing and storage tanks and associated piping and pumping infrastructure. It is intended to reduce or eliminate the need for well-head treatment at multiple municipal water wells.	The project will construct a connection between the City of Ceres water system and the Monterey Park Tract water system. The project will provide a source of safe source of drinking water for the residents of Monterey Park Tract.	This project consists of a new 29 mgd water treatment plant and downstream transmission mains that would treat surface water supplied from the TID via the Tuolumne River to the proposed treatment plant site near Fox Grove. An Infiltration Gallery in the Tuolumne River has already been constructed by the TID. A pump station would be constructed to convey water from the infiltration gallery to the proposed treatment plant and treated water would be conveyed via transmission mains to the City's of Modesto, Ceres and Turlock, providing a conjunctive use strategy and reducing reliance on groundwater sources. The project has a potential for an intertie transmission pipe between the existing MID transmission main, located north of Greer Road, to the proposed SRWA facilities to strengthen reliability for water customers through an ability to convey treated water from one water system to the other in the instance that either the MID or SRWA treatment plants are off line for any reason.
Pilot/Demonstration Project				
Project Status (% complete)	100			25
Project Coordinates_Lat	37.600344	37.589615	37.526284	37.616611
Project Coordinates_Lng	-120.853007	-120.863428	-121.010335	-120.840597
Map Area	Photo of City and Turf Areas 4-13-12.pdf	polygon_drawn_1337798356231.kml	polygon_drawn_1337282208467.kml	polygon_drawn_1338312144372.kml
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources	✓	✓	✓	✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft				✓
Protect existing water rights				✓
Implement water conservation plans for both urban and agricultural uses				
Support monitoring and research to improve understanding of water supplies and needs				
Address conveyance infrastructure needs	✓	✓		✓
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure				
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed				
Develop approaches for adaptive management that minimizes maintenance requirements				
Provide community benefits beyond flood protection				
Protect/ restore/ and enhance the natural ecological and hydrologic functions				✓
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards	✓	✓	✓	✓
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination				✓
Manage existing land uses while preserving or enhancing environmental habitats				
Minimize impacts from storm water				
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff				
Promote and support regional monitoring to further understanding of water quality issues				✓
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources				✓
Identify opportunities for open spaces/ trails and parks along recreational projects				
Contribute to the long-term sustainability of land uses and activities within the basin	✓	✓		✓
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds				✓
Support projects to understand/ protect/ improve and restore the region's ecological resources				
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent		✓		✓
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an				✓
Maintain avenues of communication with the general public and offering opportunities to provide				✓
Identify opportunities for public education about water supply/ water quality/ flood management				✓
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.	✓			✓
Consider disproportionate community impacts to ensure environmental justice.			✓	
Maximize economies of scale and governmental efficiencies.		✓	✓	✓
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.				
Resource Management Strategies				
Reduce Water Demand	Urban Water Use Efficiency	Urban Water Use Efficiency	Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers	System Reoperation		Water Transfers	
Increase Water Supply	Recycled Municipal Water			Conjunctive Management & Groundwater Storage
Improve Water Quality	Matching Quality to Use	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution
Improve Flood Management				
Practice Resource Stewardship	Economic Incentives (Loans, Grants, and Water Pricing)			
Other Strategies				
Statewide Priorities				
Statewide Priorities	Use and Reuse Water More Efficiently	Use and Reuse Water More Efficiently	Use and Reuse Water More Efficiently	Drought Preparedness,Climate Change Response Actions,Expand Environmental Stewardship

Project Information			
proj_id	1319	1325	1328
proj_creatorName	Cooke, Michael	Strand, William	French, Jaylen
Project Name	North Valley Regional Recycled Water Program	Modesto Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project	Water Well No. 9
Organization	City of Turlock on behalf of NVRRWP Partners	City of Modesto	City of Hughson
Project Category	Preliminary Design Complete	Ready to Proceed	Preliminary Design Complete
Project Type	Infrastructure - Water Supply	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply
Project Description	The North Valley Regional Recycled Water Project (NVRRWP) will deliver up to ~60,000 AFY of recycled water produced by the Cities of Modesto and Turlock to the Del Puerto Water District (DPWD) via the Delta Mendota Canal (DMC). DPWD is a California Special District located along the west side of the San Joaquin Valley in Stanislaus, San Joaquin, and Merced Counties. DPWD's sole source of water supply is Central Valley Project (CVP) water under contract with the U.S. Bureau of Reclamation. Under its long-term contract, it receives up to 140,210 AFY of water to provide to approximately 45,000 acres of highly productive farmland with a production value of over $100 million gross farm dollars annually. In recent years, DPWD has experienced reduced allocations under its contract. In 2014, it received 0% of its full contractual amount which will be devastating to the agricultural growers, the disadvantaged communities in the service area, and the Region as a whole.	The project uses LID Techniques to convey storm water to Garrison Park, provide water quality treatment, infiltrate stormwater, and recharge the groundwater aquifer. The project will reduce stormwater flows to the wastewater treatment plant, the number of Sanitary Sewer Overflows, and improve water quality for Dry Creek, and the Lower Tuolumne River (303d water bodies). Located in the fully developed northwest portion of Modesto which has no positive storm drainage system, the project is a cost effective and LID Alternative to constructing detention basins in undeveloped portions of the city and constructing miles of storm drains. Twenty failed dry wells and three sanitary sewer cross connections will be removed. A centralized water quality device will be used to treat stormwater prior to infiltration in a 6.8 acre foot underground retention system. The project renovates the highly utilized park with a new baseball field, multipurpose field, basketball court, and site furnishings.	Construction of a 1,200 gallon per minute municipal water well, including all necessary appurtenances such as pumping, piping, and emergency power. This well is intended to be used in conjunction with a major municipal water blending facility.
Pilot/Demonstration Project			
Project Status (% complete)	20	100	
Project Coordinates_Lat	37.464265	37.665707	37.587745
Project Coordinates_Lng	-121.034017	-121.023363	-120.867763
Map Area	polygon_drawn_1337792159185.kml	polygon_drawn_1337798884563.kml	polygon_drawn_1338917674223.kml
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources	✓		✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft	✓	✓	
Protect existing water rights	✓		
Implement water conservation plans for both urban and agricultural uses			
Support monitoring and research to improve understanding of water supplies and needs			
Address conveyance infrastructure needs	✓		
Flood Protection Objectives			
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements		✓	
Provide community benefits beyond flood protection		✓	
Protect/ restore/ and enhance the natural ecological and hydrologic functions			
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards	✓		✓
Deliver agricultural water to meet water quality guidelines established by stakeholders	✓		
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination	✓	✓	
Manage existing land uses while preserving or enhancing environmental habitats	✓	✓	
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff	✓	✓	
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhancement Objectives			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources	ü		
Minimize adverse effects on biological and cultural resources	✓		
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin	✓	✓	
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			
Support projects to understand/ protect/ improve and restore the region's ecological resources	ü		
Regional Communication and Cooperation Objectives			
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities	✓		
Build relationships with State and Federal regulatory agencies and other water forums and agent	✓		
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an	✓		
Maintain avenues of communication with the general public and offering opportunities to provide			
Identify opportunities for public education about water supply/ water quality/ flood management	✓		
Economic and Social Responsibility Objectives			
Develop cost-effective multi-benefit projects.	✓		
Consider disproportionate community impacts to ensure environmental justice.	✓		
Maximize economies of scale and governmental efficiencies.	✓		
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.	✓		
Resource Management Strategies			
Reduce Water Demand			
Improve Operational Efficiency and Transfers	Conveyance Delta,Conveyance Regional/Local,System Reoperation,Water Transfers		
Increase Water Supply	Conjunctive Management & Groundwater Storage,Recycled Municipal Water		
Improve Water Quality	Matching Quality to Use,Pollution Prevention,Salt and Salinity Management		Drinking Water Treatment and Distribution
Improve Flood Management		Flood Risk Management	
Practice Resource Stewardship	Agricultural Lands Stewardship		
Other Strategies	Crop Landing for Water Transfers		
Statewide Priorities			
Statewide Priorities	Drought Preparedness,Use and Reuse Water More Efficiently,Climate Change Response Actions,Protect Surface Water and Natural Resources,Ensure Equitable Distribution of Benefits	Practice Integrated Flood Management	Use and Reuse Water More Efficiently

Project Information				
proj_id	1331	1334	1335	1338
proj_creatorName	French, Jaylen	Cooke, Michael	Cooke, Michael	French, Jaylen
Project Name	7th Street Low Impact Development (LID) Storm Drainage Improvements	Municipal Well #41	Water Storage Reservoir NW	Well No. 9 Arsenic Treatment Facility
Organization	City of Hughson	City of Turlock	City of Turlock	City of Hughson
Project Category	Preliminary Design Complete	Preliminary Design Complete	Preliminary Design Complete	Preliminary Design Complete
Project Type	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	Construct Low Impact Development storm water facility on existing street with inadequate drainage facilities and no outlet to detention/retention basin. Project will avoid the need for a basin, thereby avoiding conversion of farmland for that purpose.	To install a new municipal supply well to address water needs in the recently annexed West Turlock area and in the developing Turlock Regional Industrial Park.	To install a new one million gallon above ground water storage reservoir to address water needs in the recently annexed West Turlock area and in the developing Turlock Regional Industrial Park.	This project will treat ground water from future Well No. 9 to eliminate arsenic and connect the well to a centralized blending facility to ensure water quality meets State standards. The treatment process includes a polymer mixing tank, solids discharge tank, and necessary appurtenances to complete the treatment process and connect piping to the blending facility located at another site.
Pilot/Demonstration Project				
Project Status (% complete)		90	35	15
Project Coordinates_Lat	37.594172	37.506594	37.506798	37.587745
Project Coordinates_Lng	-120.860939	-120.898361	-120.894928	-120.867999
Map Area	polygon_drawn_1337814282896.kml			polygon_drawn_1337903887886.kml
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources		✓	✓	
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			✓	
Protect existing water rights		✓	✓	
Implement water conservation plans for both urban and agricultural uses			✓	
Support monitoring and research to improve understanding of water supplies and needs			✓	
Address conveyance infrastructure needs			✓	
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure				
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed				
Develop approaches for adaptive management that minimizes maintenance requirements				
Provide community benefits beyond flood protection	✓			
Protect/ restore/ and enhance the natural ecological and hydrologic functions				
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards		✓	✓	✓
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination		✓	✓	
Manage existing land uses while preserving or enhancing environmental habitats				
Minimize impacts from storm water	✓			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff				
Promote and support regional monitoring to further understanding of water quality issues				
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources				
Identify opportunities for open spaces/ trails and parks along recreational projects				
Contribute to the long-term sustainability of land uses and activities within the basin		✓	✓	
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds				
Support projects to understand/ protect/ improve and restore the region's ecological resources				
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent			✓	
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an			✓	
Maintain avenues of communication with the general public and offering opportunities to provide			✓	
Identify opportunities for public education about water supply/ water quality/ flood management			✓	
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.		✓	✓	
Consider disproportionate community impacts to ensure environmental justice.				
Maximize economies of scale and governmental efficiencies.		✓	✓	
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.	✓		✓	
Resource Management Strategies				
Reduce Water Demand		Urban Water Use Efficiency	Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers		Conveyance Regional/Local	Conveyance Regional/Local	
Increase Water Supply		Conjunctive Management & Groundwater Storage	Conjunctive Management & Groundwater Storage,Surface Storage Regional/Local	
Improve Water Quality		Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution
Improve Flood Management	Flood Risk Management			
Practice Resource Stewardship	Land Use Planning	Land Use Planning	Land Use Planning	
Other Strategies				
Statewide Priorities				
Statewide Priorities	Practice Integrated Flood Management	Drought Preparedness,Use and Reuse Water More Efficiently,Protect Surface Water and Natural Resources,Ensure Equitable Distribution of Benefits	Drought Preparedness,Use and Reuse Water More Efficiently	Use and Reuse Water More Efficiently

Project Information				
proj_id	1339	1340	1342	1346
proj_creatorName	Cooke, Michael	French, Jaylen	Fremming, Lee	Dumas, Leslie
Project Name	Canal Drive Stormwater Trunk Line	Regional Surface Water Treatment Plant Pipeline Turnout	Arsenic Mitigation Project	DAC and Native American Outreach and Technical Assistance
Organization	City of Turlock	City of Hughson	Keyes Community Services District	ESRWMP
Project Category	Concept	Preliminary Design Complete	Preliminary Design Complete	Ready to Proceed
Project Type	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply	Infrastructure - Water Supply	Plan Development
Project Description	A 60" concrete storm drain pipe will be installed from the Dianne Storm Drain Basin 3.5 miles east to Daubenberger Road. Twelve pumps that currently discharge to the Turlock Irrigation District would be routed to the new line. Currently the City of Turlock's storm drain system discharges directly into the Turlock Irrigation District Canal that leads directly to the waters of the U.S.A. (San Joaquin River). There is no treatment of the storm water and potential contaminants from the city streets are carried to the San Joaquin River. The new storm water trunk line will be utilized to collect the storm water runoff and convey the storm water to the master storm drain system. This system allows for contaminants to settle out at the Dianne Detention Basin and then convey the storm water to our wastewater treatment facility. In the future, the storm water may be treated by the wastewater treatment facility and then discharged through a pipeline to the San Joaquin River.	This project is a water piping turnout on the supply line for the Regional Surface Water Treatment Plant, located just east of the city limits. Although the City of Hughson has recently dropped out of the regional project for financial reasons, treated surface water will still be available to the city on a purchase basis. The Surface Water Plant will be delivering water to the Cities of Ceres and Modesto at high pressures of about 90 psi, thereby eliminating the need for a booster pump to tie into the city's water delivery system. A 24 inch casing was installed with the Euclid Bridge construction project over the Turlock Irrigation District canal, enabling a 14 inch diameter pipe to be installed through the existing casing to connect to the city distribution system. Project includes site acquisition, flow control and pressure reducing valves, valve vault structures and appurtenances, chlorine residual monitoring station, metering station, power supply, & control/SCADA system.	Construction of arsenic treatment facilities, water transmission and distribution lines and modifications to existing water supply wells.	This project will provide for focused and extended outreach to DAC and Native American communities and to provide technical assistance to these communities for the development and submittal of projects that directly support them for inclusion in the East Stanislaus IRWMP.
Pilot/Demonstration Project				
Project Status (% complete)	5		20	100
Project Coordinates_Lat	37.500398	37.60869	37.554921	37.629573
Project Coordinates_Lng	-120.816908	-120.851498	-120.912566	-120.873962
Map Area	polygon_drawn_1337958051747.kml	polygon_drawn_1337967884165.kml	polygon_drawn_1338311035760.kml	
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources		✓		
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft				
Protect existing water rights				
Implement water conservation plans for both urban and agricultural uses				
Support monitoring and research to improve understanding of water supplies and needs				
Address conveyance infrastructure needs	✓	✓		
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure	✓			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed				
Develop approaches for adaptive management that minimizes maintenance requirements	✓			
Provide community benefits beyond flood protection				
Protect/ restore/ and enhance the natural ecological and hydrologic functions				
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards	✓	✓	✓	
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination	✓			
Manage existing land uses while preserving or enhancing environmental habitats				
Minimize impacts from storm water	✓			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff	✓			
Promote and support regional monitoring to further understanding of water quality issues	✓			
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources	✓			
Identify opportunities for open spaces/ trails and parks along recreational projects				
Contribute to the long-term sustainability of land uses and activities within the basin	✓	✓		
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds				
Support projects to understand/ protect/ improve and restore the region's ecological resources	✓			
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				✓
Build relationships with State and Federal regulatory agencies and other water forums and agent	✓			
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an	✓			✓
Maintain avenues of communication with the general public and offering opportunities to provide	✓			✓
Identify opportunities for public education about water supply/ water quality/ flood management	✓			
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.	✓			
Consider disproportionate community impacts to ensure environmental justice.				
Maximize economies of scale and governmental efficiencies.		✓		
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.				
Resource Management Strategies				
Reduce Water Demand				
Improve Operational Efficiency and Transfers				
Increase Water Supply				
Improve Water Quality	Pollution Prevention	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution	
Improve Flood Management				
Practice Resource Stewardship				Economic Incentives (Loans, Grants, and Water Pricing)
Other Strategies				
Statewide Priorities				
Statewide Priorities	Use and Reuse Water More Efficiently,Expand Environmental Stewardship,Practice Integrated Flood Management,Protect Surface Water and Natural Resources	Use and Reuse Water More Efficiently	Ensure Equitable Distribution of Benefits	Ensure Equitable Distribution of Benefits

Project Information				
proj_id	1347	1348	1349	1350
proj_creatorName	Dumas, Leslie	Dumas, Leslie	Dumas, Leslie	Dumas, Leslie
Project Name	Online Data Management System	Regional County Island Sewer Connection Study	Regional Water Needs Assessment	Integrated Stormwater Resources Management and Groundwater Augmentation Plan
Organization	ESRWMP	ESRWMP	ESRWMP	ESRWMP
Project Category	Ready to Proceed	Ready to Proceed	Ready to Proceed	Ready to Proceed
Project Type	Monitoring	Research	Research	Plan Development
Project Description	This project will create a consolidated, web-based data management system to facilitate the collection and analysis of data, monitoring and reporting, and easier access to data.	This project will identify areas of Stanislaus County that are currently on septic systems and (1) evaluate the potential impacts of septic systems on the underlying groundwater basin and (2) determine if these septic systems should be improved and/or connected to either centralized or satellite collection and treatment systems in order to protect groundwater quality. This study will help with the evaluation and long-term management of the underlying groundwater basins, a primary source of potable water in the East Stanislaus Region.	This project will develop a region-wide demand projection that will cover both areas currently evaluated under existing Urban Water Management Plans (UWMPs) and areas outside urban water management planning requirements. This task will use existing plans and demand projections, including UWMPs and land use plans (such as General Plans), to develop the regional demand projection which will, in turn, contribute to the understanding and management of local water supplies.	This project will result in an Integrated Stormwater Resource Management and Groundwater Augmentation Plan that will evaluate and describe stormwater management in the region and identify opportunities and projects that will provide flood protection, stormwater management, water supply augmentation, water quality and/or environmental benefits for inclusion in the IRWMP. As part of this project, potential recharge locations will be mapped and opportunities for recharging the groundwater subbasins and/or improving water quality with stormwater runoff management will be identified, thereby providing both stormwater management and water supply benefits. This project will contribute to the region description and aid in the identification of opportunities to develop projects and programs to meet several regional goals (water supply, water quality and flood protection).
Pilot/Demonstration Project				
Project Status (% complete)	100	100	100	100
Project Coordinates_Lat	37.629573	37.629573	37.629573	37.629573
Project Coordinates_Lng	-120.873962	-120.873962	-120.873962	-120.873962
Map Area				
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources			✓	✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			✓	✓
Protect existing water rights				
Implement water conservation plans for both urban and agricultural uses			✓	
Support monitoring and research to improve understanding of water supplies and needs			✓	
Address conveyance infrastructure needs				
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure				
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed				
Develop approaches for adaptive management that minimizes maintenance requirements				
Provide community benefits beyond flood protection				
Protect/ restore/ and enhance the natural ecological and hydrologic functions				
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards				
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination		✓		✓
Manage existing land uses while preserving or enhancing environmental habitats				
Minimize impacts from storm water				
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff				
Promote and support regional monitoring to further understanding of water quality issues				
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources				
Identify opportunities for open spaces/ trails and parks along recreational projects				
Contribute to the long-term sustainability of land uses and activities within the basin				
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds				✓
Support projects to understand/ protect/ improve and restore the region's ecological resources				
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent				
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an	✓			
Maintain avenues of communication with the general public and offering opportunities to provide	✓		✓	
Identify opportunities for public education about water supply/ water quality/ flood management				
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.				✓
Consider disproportionate community impacts to ensure environmental justice.				
Maximize economies of scale and governmental efficiencies.	✓			
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.				
Resource Management Strategies				
Reduce Water Demand			Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers				
Increase Water Supply			Conjunctive Management & Groundwater Storage	Conjunctive Management & Groundwater Storage
Improve Water Quality		Groundwater Remediation/Aquifer Remediation		Pollution Prevention
Improve Flood Management				
Practice Resource Stewardship	Watershed Management			Recharge Area Protection,Watershed Management
Other Strategies				
Statewide Priorities				
Statewide Priorities	Climate Change Response Actions,Improve Tribal Water and Natural Resources	Protect Surface Water and Natural Resources	Drought Preparedness,Use and Reuse Water More Efficiently	Use and Reuse Water More Efficiently,Practice Integrated Flood Management,Protect Surface Water and Natural Resources

Project Information				
proj_id	1351	1353	1355	1356
proj_creatorName	Koepele, Patrick	Alves, Jim	French, Jaylen	French, Jaylen
Project Name	Dennett Dam Removal	Northeast Storm Drainage Interceptor Project	Water Well No. 10	Water Well No. 11
Organization	Tuolumne River Trust	City of Modesto	City of Hughson	City of Hughson
Project Category	Preliminary Design Complete	Concept	Concept	Concept
Project Type	Infrastructure - Environmental	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	The purpose of this project is to remove Dennett Dam, an abandoned low-head dam on the Tuolumne River just west of the 9th Street Bridge in downtown Modesto. Removing the dam will provide unimpeded access to 28 miles of spawning habitat for anadromous fish, including steelhead, chinook salmon, green sturgeon, and white sturgeon. Additionally, removing the dam will remove a significant safety hazard in the river and will provide improved recreational boating within the river along the Tuolumne River Regional Park. Tasks include mobilizing equipment and machinery, constructing a temporary cofferdam and re-routing river flow, demolishing the dam and removing debris, removing the cofferdam, and site restoration.	This project would construct a series of four large storm water detention basins and an interceptor pipe east of the AT&SF Rail line to an existing outfall at Dry Creek for the purpose of eliminating the overland 100-year flood event risk to northeast Modesto from roughly 2,335 acres of northeast watershed area.	Well No. 10 will replace one of our three high nitrate wells, in conjunction with new Wells No. 9 & 11. The City has recently lost Well No. 7 due to nitrate levels above the allowable MCL. Wells No. 3 and 5 are currently testing at 43 mg/L and 43.6 mg/L respectively, with an MCL of 45. Rather than deliver water to customers that is over the allowable nitrate limit, the City is being proactive and putting Wells No. 3 and 5 into standby status. Well No. 5 is also testing high in DBCP and has exceeded the MCL with that constituent in 2011. With Wells 3, 5, & 7 off-line, the City will have only three production wells in service for the entire City water demand. We anticipate that these three new wells will be deeper that the existing wells in the City to avoid nitrate contamination.	Well No. 11 will replace one of our three high nitrate wells, in conjunction with new Wells No. 9 & 10. The City has recently lost Well No. 7 due to nitrate levels above the allowable MCL. Wells No. 3 and 5 are currently testing at 43 mg/L and 43.6 mg/L respectively, with an MCL of 45. Rather than deliver water to customers that is over the allowable nitrate limit, the City is being proactive and putting Wells No. 3 and 5 into standby status. Well No. 5 is also testing high in DBCP and has exceeded the MCL with that constituent in 2011. With Wells 3, 5, & 7 off-line, the City will have only three production wells in service for the entire City water demand. We anticipate that these three new wells will be deeper that the existing wells in the City to avoid nitrate contamination.
Pilot/Demonstration Project				
Project Status (% complete)	50			
Project Coordinates_Lat	37.627373	37.683413	37.589887	37.591451
Project Coordinates_Lng	-120.987915	-120.916557	-120.863342	-120.86051
Map Area	polygon_drawn_1338850306082.kml	polygon_drawn_1339121336059.kml		
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources			✓	✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft		✓		
Protect existing water rights				
Implement water conservation plans for both urban and agricultural uses				
Support monitoring and research to improve understanding of water supplies and needs				
Address conveyance infrastructure needs				
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure		✓		
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed		✓		
Develop approaches for adaptive management that minimizes maintenance requirements				
Provide community benefits beyond flood protection				
Protect/ restore/ and enhance the natural ecological and hydrologic functions				
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards			✓	✓
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination				
Manage existing land uses while preserving or enhancing environmental habitats				
Minimize impacts from storm water				
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff				
Promote and support regional monitoring to further understanding of water quality issues				
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources				
Identify opportunities for open spaces/ trails and parks along recreational projects	✓			
Contribute to the long-term sustainability of land uses and activities within the basin			✓	✓
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds	✓			
Support projects to understand/ protect/ improve and restore the region's ecological resources	✓			
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent				
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an				
Maintain avenues of communication with the general public and offering opportunities to provide				
Identify opportunities for public education about water supply/ water quality/ flood management				
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.	✓			
Consider disproportionate community impacts to ensure environmental justice.				
Maximize economies of scale and governmental efficiencies.			✓	✓
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.				
Resource Management Strategies				
Reduce Water Demand			Urban Water Use Efficiency	Urban Water Use Efficiency
Improve Operational Efficiency and Transfers			Conveyance Regional/Local	Conveyance Regional/Local
Increase Water Supply				
Improve Water Quality			Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution
Improve Flood Management		Flood Risk Management		
Practice Resource Stewardship	Ecosystem Restoration,Water-Dependent Recreation,Watershed Management		Land Use Planning	Land Use Planning
Other Strategies				
Statewide Priorities				
Statewide Priorities	Expand Environmental Stewardship,Protect Surface Water and Natural Resources	Practice Integrated Flood Management	Drought Preparedness,Use and Reuse Water More Efficiently,Ensure Equitable Distribution of Benefits	Drought Preparedness,Use and Reuse Water More Efficiently,Ensure Equitable Distribution of Benefits

Project Information				
proj_id	1357	1358	1359	1360
proj_creatorName	French, Jaylen	French, Jaylen	Koepele, Patrick	Koepele, Patrick
Project Name	Well No. 5 Depth Extension	Well No. 3 Depth Extension	Dos Rios Floodplain and Riparian Habitat Restoration	La Grange Floodplain Restoration and Spawning Gravel Augmentation
Organization	City of Hughson	City of Hughson	River Partners	Tuolumne River Trust
Project Category	Concept	Concept	Ready to Proceed	Concept
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Environmental	Infrastructure - Environmental
Project Description	Well 5 is currently drilled to a depth of 350 feet. The well is testing for nitrate very close to the MCL of 45. In April, 2012 it tested at 43.6 mg/L. We believe we can get below the nitrate contaminated aquifer by extending the depth of the well.	Well 3 is currently drilled to a depth of 350 feet. The well is testing for nitrate very close to the MCL of 45. In April, 2012 it tested at 43 mg/L. We believe we can get below the nitrate contaminated aquifer by extending the depth of the well.	This is a project to undertake floodplain and riparian habitat restoration at the 1600 acre Dos Rios Ranch. The Dos Rios Ranch is located at the confluence of the San Joaquin and Tuolumne Rivers and occupies 3 miles of river frontage on each river, for a total of 6 miles of river frontage. Through this project, we will improve channel-floodplain connectivity, improve transient floodwater storage, and restore riparian habitat. The project will build on another large flood management project at the San Joaquin River National Wildlife Refuge and will provide up to 10,000 ac-ft of transient flood water storage. The project will improve habitat for a number of sensitive species, including the riparian brush rabbit, riparian woodrat, least Bell's vireo, steelhead trout, and chinook salmon and will directly contribute to the recovery of these species. We will also provide public recreation opportunities at the site, including hiking, fishing, boating, and other similar activities.	This is a project to restore 150 acres of degraded floodplain habitat along the Tuolumne River in La Grange while developing a source of spawning gravel to improve and enhance existing spawning beds in the Tuolumne River. The floodplain in the project area was heavily altered by gold dredging operations in the 1930's-1950's and has never recovered. As a result of the gold dredging, the floodplain has become armored and it supports little riparian vegetation. Couple with the heavily altered flow regime, the gravels are rarely, if ever, activated, thus they provide no benefit to spawning salmonids. Meanwhile, the in-channel spawning beds are heavily degraded because they cannot be replenished through normal geomorphic processes due to the sediment-blocking of Don Pedro and La Grange Dams. Through this project, we will harvest gravels from the floodplain and place them in the spawning riffles, while simultaneously lowering and revegetating the floodplain.
Pilot/Demonstration Project				
Project Status (% complete)			90	
Project Coordinates_Lat	37.59288	37.60325	37.600882	37.665535
Project Coordinates_Lng	-120.869801	-120.869844	-121.160851	-120.46587
Map Area			polygon_drawn_1397087738815.kml	polygon_drawn_1339195876037.kml
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources	✓	✓		
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft				
Protect existing water rights				
Implement water conservation plans for both urban and agricultural uses				
Support monitoring and research to improve understanding of water supplies and needs				
Address conveyance infrastructure needs				
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure				
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			✓	✓
Develop approaches for adaptive management that minimizes maintenance requirements			✓	
Provide community benefits beyond flood protection			✓	
Protect/ restore/ and enhance the natural ecological and hydrologic functions			✓	
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards	✓	✓		
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination			✓	
Manage existing land uses while preserving or enhancing environmental habitats			✓	
Minimize impacts from storm water				
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			✓	
Promote and support regional monitoring to further understanding of water quality issues				
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources				
Identify opportunities for open spaces/ trails and parks along recreational projects			✓	✓
Contribute to the long-term sustainability of land uses and activities within the basin	✓	✓		
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			✓	✓
Support projects to understand/ protect/ improve and restore the region's ecological resources			✓	✓
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent				
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an				
Maintain avenues of communication with the general public and offering opportunities to provide				
Identify opportunities for public education about water supply/ water quality/ flood management			✓	
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.			✓	
Consider disproportionate community impacts to ensure environmental justice.				
Maximize economies of scale and governmental efficiencies.	✓			
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.				
Resource Management Strategies				
Reduce Water Demand	Urban Water Use Efficiency	Urban Water Use Efficiency		
Improve Operational Efficiency and Transfers	Conveyance Regional/Local	Conveyance Regional/Local	Conveyance Regional/Local	
Increase Water Supply				
Improve Water Quality	Drinking Water Treatment and Distribution	Drinking Water Treatment and Distribution		
Improve Flood Management				
Practice Resource Stewardship	Land Use Planning	Land Use Planning	Ecosystem Restoration,Water-Dependent Recreation,Watershed Management	Ecosystem Restoration,Water-Dependent Recreation,Watershed Management
Other Strategies				
Statewide Priorities				
Statewide Priorities	Drought Preparedness,Use and Reuse Water More Efficiently	Drought Preparedness,Use and Reuse Water More Efficiently	Expand Environmental Stewardship,Practice Integrated Flood Management,Protect Surface Water and Natural Resources	Expand Environmental Stewardship,Protect Surface Water and Natural Resources

Project Information				
proj_id	1362	1365	1375	1377
proj_creatorName	Ogden, Tim	Jimenez, Manuel	Strand, William	Kauffman, Kevin
Project Name	Tuolumne River Trail Project	Ballico Community Water Service District 2nd Well Proposal funding	Granger Avenue Greenstreet Retrofit Project	EWD Diffused Surface Water Project
Organization	City of Waterford	Ballico Community Water Service District	City of Modesto	Eastside Water District
Project Category	Concept	Concept	Preliminary Design Complete	Concept
Project Type	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply	Infrastructure - Stormwater/Flood Management	Infrastructure - Water Supply
Project Description	The project seeks to accomplish both habitat conservation and recreational development goals. General habitat conservation objectives addressed by the project include the removal of nonnative species, the preservation of native species, enhancement of native bird, mammal and fish habitats, erosion control and storm water management. General recreation goals and objectives include providing greater vehicular, pedestrian and river access to the community for recreational purposes, while honoring the unique natural habitat of the Tuolumne River corridor. Primary objectives include the development of a multi-use trail along the river frontage throughout the project area, the addition public parking at access sites with improved vehicular access, disabled access to the Parkway facilities, emergency vehicle access, and river access for a variety of recreational uses. Further developments include fishing, small craft boating, picnicking, walking, bicycling, interpretive educational kiosks.	The Ballico Community Water Service District is in major need of funding to construct a second well and comply with state law. Currently there is only one well supplying water to the community of about 72 houses and the Ballico School and fire department. The current well is over 25 years old and in need of maintenance as well. Also according to environmental health department the water supply lines need replacement soon due to being too old. The district currently only has enough funding to sustain itself. We hope that you will consider our need when reviewing the projects and will approve our request.	The Granger Avenue Greenstreet Retrofit Project is located in the fully developed north central portion of Modesto. Granger Avenue, a heavily traveled collector street, has no positive storm drainage system. Even minor rainfall events cause street flooding. Over the years sanitary sewer cross connections have been constructed to drain stormwater from the flooded street leading to surcharged sewers and sanitary sewer overflows. The project will retrofit Granger Avenue with LID measures including permeable gutters/infiltration trenches, bulb-out bioretention planters, and a new storm drainage system for overflow which will route flows to an underground retention system (100-year 24 hour design). A demonstration rain garden will be constructed at Roosevelt Park which will be part of the education/outreach efforts. The project builds on the Area 2 Storm Drainage to Sanitary Sewer Cross Connection Removal Project. Preliminary topography surveys and geotechnical investigations have been co	Convey and deliver local diffused water supply to direct and in-lieu groundwater recharge facilities using existing and enhanced infrastructure. Turlock Irrigation District (TID) and Eastside Water District (EWD) are close to agreement on terms for EWD to use TID conveyance facilities to deliver diffused surface water to recharge facilities currently being designed by EWD. The EWD Board of Directors expects between 15,000 and 30,000 AFA of diffused surface water to become available in the near future, and this may happen as early as during the 2014-15 rainy season. TID had 49 inlets to its canals that are opened to allow runoff into the canals and protect the canal levees from damage. These locations and many others will be investigated to design groundwater recharge facilities at location where the groundwater basin can benefit most from this diffused surface water supply. EWD intends to complete a 30% design and CEQA effort for the proposed facilities in the summer of 2014.
Pilot/Demonstration Project	Tuolumne River Regional Park		The project is a pilot project to test a potential infiltration techniques for use in the entire northwest portion of Modesto that lacks a positive storm drainage system	
Project Status (% complete)	20		35	10
Project Coordinates_Lat	37.6372	37.452093	73.67	37.521031
Project Coordinates_Lng	-120.75732	-120.699497	-121	-120.683977
Map Area	polygon_drawn_1340405407242.kml			Base after annex-22X34 (2).pdf
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources		✓		✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			✓	✓
Protect existing water rights				✓
Implement water conservation plans for both urban and agricultural uses				
Support monitoring and research to improve understanding of water supplies and needs				
Address conveyance infrastructure needs				
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure	✓			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed				
Develop approaches for adaptive management that minimizes maintenance requirements				✓
Provide community benefits beyond flood protection	✓			✓
Protect/ restore/ and enhance the natural ecological and hydrologic functions			✓	
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards			✓	
Deliver agricultural water to meet water quality guidelines established by stakeholders				✓
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination				✓
Manage existing land uses while preserving or enhancing environmental habitats	✓			✓
Minimize impacts from storm water				✓
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff				✓
Promote and support regional monitoring to further understanding of water quality issues				
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources	✓			✓
Minimize adverse effects on biological and cultural resources	✓			✓
Identify opportunities for open spaces/ trails and parks along recreational projects	✓			
Contribute to the long-term sustainability of land uses and activities within the basin	✓			✓
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds	✓			
Support projects to understand/ protect/ improve and restore the region's ecological resources	✓			✓
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent				✓
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an				✓
Maintain avenues of communication with the general public and offering opportunities to provide				
Identify opportunities for public education about water supply/ water quality/ flood management			✓	
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.	✓		✓	✓
Consider disproportionate community impacts to ensure environmental justice.				✓
Maximize economies of scale and governmental efficiencies.				✓
Protect cultural resources.	✓			
Reduce energy use and/or use of renewable resources where appropriate.				✓
Resource Management Strategies				
Reduce Water Demand	Urban Water Use Efficiency			Agricultural Water Use Efficiency
Improve Operational Efficiency and Transfers				
Increase Water Supply			Conjunctive Management & Groundwater Storage	Conjunctive Management & Groundwater Storage,Surface Storage Regional/Local
Improve Water Quality		Drinking Water Treatment and Distribution		Matching Quality to Use,Pollution Prevention
Improve Flood Management	Flood Risk Management		Flood Risk Management	Flood Risk Management
Practice Resource Stewardship	Economic Incentives (Loans, Grants, and Water Pricing)		Recharge Area Protection	Agricultural Lands Stewardship,Economic Incentives (Loans, Grants, and Water Pricing),Ecosystem Restoration,Recharge Area Protection,Watershed Management
Other Strategies				
Statewide Priorities				
Statewide Priorities	Practice Integrated Flood Management	Drought Prepardness, Climate Change Response Actions, Ensure Equitable Distribution of Funds	Practice Integrated Flood Management	Drought Preparedness,Use and Reuse Water More Efficiently,Climate Change Response Actions,Expand Environmental Stewardship,Practice Integrated Flood Management,Protect Surface Water and Natural Resources,Ensure Equitable Distribution of Benefits,Improve Tribal Water and Natural Resources

Project Information				
proj_id	1380	1381	1382	1383
proj_creatorName	Reynolds, Garner	Reynolds, Garner	Reynolds, Garner	Reynolds, Garner
Project Name	Landscape Replacement Program	Landscape Irrigation Efficiency Program	Expanded Non-Potable Water Use	Wellhead Treatment
Organization	City of Turlock	City of Turlock	City of Turlock	City of Turlock
Project Category	Concept	Concept	Concept	Concept
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	Removal of 4.3 acres of landscaping turf in the medians on Christoffersen Parkway and Monte Vista Avenue and replace with natural bark.	Installation of automatic rain sensor irrigation controllers. Will prevent the watering of landscape areas in the parks during rain events.	Installation of shallow non-potable landscape irrigation wells for parks in the City of Turlock	Installation of arsenic wellhead treatment on an existing well that currently exceeds the maximum contaminant level for arsenic.
Pilot/Demonstration Project				
Project Status (% complete)				
Project Coordinates_Lat	37.529417	37.51197	37.510411	37.534829
Project Coordinates_Lng	-120.861144	-120.855432	-120.856325	-120.880511
Map Area				
ESIRWM Regional Goals and Objectives				
Water Supply Objectives				
Provide a variety of water supply sources			✓	✓
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft	✓	✓	✓	
Protect existing water rights				
Implement water conservation plans for both urban and agricultural uses	✓	✓		
Support monitoring and research to improve understanding of water supplies and needs				
Address conveyance infrastructure needs				
Flood Protection Objectives				
Develop outlines of regional projects and plans necessary to protect infrastructure				
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed				
Develop approaches for adaptive management that minimizes maintenance requirements				
Provide community benefits beyond flood protection				
Protect/ restore/ and enhance the natural ecological and hydrologic functions				
Water Quality Objectives				
Meet or exceed all applicable water quality regulatory standards			✓	✓
Deliver agricultural water to meet water quality guidelines established by stakeholders				
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed				
Protect surface waters and groundwater basins from contamination and threat of contamination	✓			
Manage existing land uses while preserving or enhancing environmental habitats				
Minimize impacts from storm water				
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff				
Promote and support regional monitoring to further understanding of water quality issues				
Environmental Protection and Enhancement Objectives				
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources				
Minimize adverse effects on biological and cultural resources				
Identify opportunities for open spaces/ trails and parks along recreational projects				
Contribute to the long-term sustainability of land uses and activities within the basin				
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds				
Support projects to understand/ protect/ improve and restore the region's ecological resources				
Regional Communication and Cooperation Objectives				
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities				
Build relationships with State and Federal regulatory agencies and other water forums and agent				
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an				
Maintain avenues of communication with the general public and offering opportunities to provide				
Identify opportunities for public education about water supply/ water quality/ flood management				
Economic and Social Responsibility Objectives				
Develop cost-effective multi-benefit projects.	✓		✓	
Consider disproportionate community impacts to ensure environmental justice.				
Maximize economies of scale and governmental efficiencies.				
Protect cultural resources.				
Reduce energy use and/or use of renewable resources where appropriate.	ü	✓	✓	
Resource Management Strategies				
Reduce Water Demand	Urban Water Use Efficiency	Urban Water Use Efficiency	Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers				
Increase Water Supply	Conjunctive Management & Groundwater Storage	Conjunctive Management & Groundwater Storage	Conjunctive Management & Groundwater Storage	
Improve Water Quality				Drinking Water Treatment and Distribution
Improve Flood Management				
Practice Resource Stewardship				
Other Strategies				
Statewide Priorities				
Statewide Priorities	Drought Preparedness,Use and Reuse Water More Efficiently	Drought Preparedness,Use and Reuse Water More Efficiently	Drought Preparedness,Use and Reuse Water More Efficiently	Drought Preparedness,Use and Reuse Water More Efficiently

Project Information			
proj_id	1384	1385	1386
proj_creatorName	Alves, Jim	Alves, Jim	Alves, Jim
Project Name	New Hickman Well Project	Grayson Water System Efficiency Improvements	South Modesto Infrasturcture Efficiency Improvements
Organization	City of Modesto	City of Modesto	City of Modesto
Project Category	Preliminary Design Complete	Preliminary Design Complete	Ready to Proceed
Project Type	Infrastructure - Water Supply	Infrastructure - Water Supply	Infrastructure - Water Supply
Project Description	Develop new well to provide an additional and more reliable water supply that would meet all demand needs and hydrologic conditions for this small community.	Replace existing leaky inefficient water mains to improve the distribbution of potable wtaer for beneficial human use, reduce water loss as well as energy and chemical needs for water production going to waste.	Project would improve system efficiency by reducing water system waste through the replacement of old leaky water mains, thereby providing more of the existing water supply to direct beneficial human use.
Pilot/Demonstration Project			
Project Status (% complete)	10	10	10
Project Coordinates_Lat	37.62024	37.56409	37.600327
Project Coordinates_Lng	-120.754886	-121.179674	-121.005783
Map Area	polygon_drawn_1404922805209.kml		
ESIRWM Regional Goals and Objectives			
Water Supply Objectives			
Provide a variety of water supply sources	✓		
Promote the use of groundwater storage and conjunctive use options to reduce groundwater overdraft			
Protect existing water rights			
Implement water conservation plans for both urban and agricultural uses			
Support monitoring and research to improve understanding of water supplies and needs			
Address conveyance infrastructure needs		✓	✓
Flood Protection Objectives			
Develop outlines of regional projects and plans necessary to protect infrastructure			
Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed			
Develop approaches for adaptive management that minimizes maintenance requirements			
Provide community benefits beyond flood protection			
Protect/ restore/ and enhance the natural ecological and hydrologic functions			
Water Quality Objectives			
Meet or exceed all applicable water quality regulatory standards	✓		
Deliver agricultural water to meet water quality guidelines established by stakeholders			
Aid in meeting Total Max Daily Loads established for the Tuolumne River watershed			
Protect surface waters and groundwater basins from contamination and threat of contamination	✓		
Manage existing land uses while preserving or enhancing environmental habitats			
Minimize impacts from storm water			
Promote projects to reduce the quantity and improve the quality of urban and agricultural runoff			
Promote and support regional monitoring to further understanding of water quality issues			
Environmental Protection and Enhancement Objectives			
Incorporate opportunities to assess/ protect/ enhance/ and/or restore natural resources			
Minimize adverse effects on biological and cultural resources			
Identify opportunities for open spaces/ trails and parks along recreational projects			
Contribute to the long-term sustainability of land uses and activities within the basin			
Identify opportunities to protect/ enhance/ or restore habitat to the support all watersheds			
Support projects to understand/ protect/ improve and restore the region's ecological resources			
Regional Communication and Cooperation Objectives			
Develop a forum for consensus decision-making and IRWM Plan implementation by regional entities			
Build relationships with State and Federal regulatory agencies and other water forums and agent			
Facilitate dialogues between regional and inter-regional entities to reduce inconsistencies an			
Maintain avenues of communication with the general public and offering opportunities to provide			
Identify opportunities for public education about water supply/ water quality/ flood management			
Economic and Social Responsibility Objectives			
Develop cost-effective multi-benefit projects.			
Consider disproportionate community impacts to ensure environmental justice.		✓	✓
Maximize economies of scale and governmental efficiencies.			
Protect cultural resources.			
Reduce energy use and/or use of renewable resources where appropriate.		✓	✓
Resource Management Strategies			
Reduce Water Demand		Urban Water Use Efficiency	Urban Water Use Efficiency
Improve Operational Efficiency and Transfers		Conveyance Regional/Local	Conveyance Regional/Local
Increase Water Supply			
Improve Water Quality	Drinking Water Treatment and Distribution		
Improve Flood Management			
Practice Resource Stewardship			
Other Strategies			
Statewide Priorities			
Statewide Priorities	Drought Preparedness,Climate Change Response Actions,Ensure Equitable Distribution of Benefits	Drought Preparedness,Use and Reuse Water More Efficiently,Climate Change Response Actions,Protect Surface Water and Natural Resources,Ensure Equitable Distribution of Benefits	Drought Preparedness,Use and Reuse Water More Efficiently,Climate Change Response Actions,Protect Surface Water and Natural Resources,Ensure Equitable Distribution of Benefits